

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1, 6, 11, and 16 and ADD new claim 17 in accordance with the following:

1. (CURRENTLY AMENDED) A noise countermeasure determination method for determining a noise countermeasure with respect to an analyzing circuit that is to be analyzed ~~and is categorizable into a plurality of transmission circuit topologies depending on manners in which wirings are connected, wherein a transmission waveform of the analyzing circuit differs depending on each of the transmission circuit topologies, said noise countermeasure determination method~~, comprising:

obtaining an analyzing circuit judgement result by judging acceptability of the analyzing circuit based on a comparison of features of the analyzing circuit and ~~the~~ a plurality of transmission circuit topologies into which the analyzing circuit is categorizable depending on manners in which wirings are connected, wherein a transmission waveform of the analyzing circuit differs depending on each of the transmission circuit topologies; and

outputting an improvement proposal making the analyzing circuit closer to one of basic types of the transmission circuit topologies depending on the analyzing circuit judgement result.

2. (PREVIOUSLY PRESENTED) The noise countermeasure determination method as claimed in claim 1, further comprising:

calculating transmission characteristic values of the analyzing circuit based on calculation formulas depending on the judgement result of said obtaining an analyzing circuit judgement and the transmission circuit topologies;

obtaining a characteristic value judgement result by judging acceptability of the transmission characteristic values, based on judging values;

analyzing an error cause by referring to an error cause file which indicates the error causes depending on error items, using the characteristic value judgement result; and

selecting and outputting an improvement proposal by referring to an improvement proposal file which indicates improvement proposals depending on the error causes, using the error cause analyzed by said analyzing an error cause.

3. (PREVIOUSLY PRESENTED) The noise countermeasure determination method as claimed in claim 2, further comprising:

analyzing the transmission waveform of the analyzing circuit using a waveform analyzing tool;

obtaining a waveform judgement result by judging acceptability of the transmission waveform, based on the judging values;

analyzing the error cause by referring to the error cause file, using the waveform judgement result; and

selecting and outputting an improvement proposal by referring to an improvement proposal file which indicates improvement proposals depending on the error causes, using the error cause analyzed by said analyzing the error cause.

4. (PREVIOUSLY PRESENTED) The error countermeasure determination method as claimed in claim 1, further comprising:

analyzing the transmission waveform of the analyzing circuit using a waveform analyzing tool;

obtaining a waveform judgement result by judging acceptability of the transmission waveform, based on judging values;

analyzing an error cause by referring to an error cause file which indicates the error causes depending on error items, using the waveform judgement result; and

selecting and outputting an improvement proposal by referring to the improvement proposal file, using the error cause analyzed by said analyzing an error cause.

5. (PREVIOUSLY PRESENTED) The noise countermeasure determination method as claimed in claim 1, further comprising:

judging the transmission circuit topology of the analyzing circuit, by referring to a circuit feature file which stores feature information used for judging the transmission circuit topology.

6. (CURRENTLY AMENDED) A noise countermeasure determination apparatus for determining a noise countermeasure with respect to an analyzing circuit that is to be analyzed ~~and is categorizable into a plurality of transmission circuit topologies depending on manners in which wirings are connected, wherein a transmission waveform of the analyzing circuit~~ topologies, said noise countermeasure determination apparatus comprising:

a circuit acceptability judging and output part configured to obtain an analyzing circuit judgement result by judging acceptability of the analyzing circuit based on a comparison of features of the analyzing circuit and a plurality of transmission circuit topologies into which the

analyzing circuit is categorizable depending on manners in which wiring are connected, wherein a transmission waveform of the analyzing circuit differs depending on each of the transmission circuit topologies, and to output an improvement proposal for making the analyzing circuit closer to one of basic types of the transmission circuit topologies depending on the analyzing circuit judgement result.

7. (PREVIOUSLY PRESENTED) The noise countermeasure determination apparatus as claimed in claim 6, further comprising:

a calculating part configured to output transmission characteristic values of the analyzing circuit based on calculation formulas depending on the judgement result of said circuit acceptability judging and output part and the transmission circuit topologies;

a characteristic value judging part configured to obtain a characteristic value judgement result by judging acceptability of the transmission characteristic values, based on judging values;

a first error cause analyzing part configured to analyze an error cause by referring to an error cause file which indicates the error causes depending on error items, using the characteristic value judgement result; and

a first improvement proposal selecting and outputting part configured to select and output an improvement proposal by referring to an improvement proposal file which indicates improvement proposals depending on the error causes, using the error cause analyzed by said first error cause analyzing part.

8. (PREVIOUSLY PRESENTED) The noise countermeasure determination apparatus as claimed in claim 7, further comprising:

a waveform analyzing part configured to analyze the transmission waveform of the analyzing circuit using a waveform analyzing tool;

a waveform judging part configured to obtain a waveform judgement result by judging acceptability of the transmission waveform, based on the judging values;

a second error cause analyzing part configured to analyze the error cause by referring to the error cause file, using the waveform judgement result; and

a second improvement proposal selecting and outputting part configured to select and output an improvement proposal by referring to an improvement proposal file which indicates improvement proposals depending on the error causes, using the error cause analyzed by said second error cause analyzing part.

9. (PREVIOUSLY PRESENTED) The error countermeasure determination apparatus as claimed in claim 6, further comprising:

a waveform analyzing part configured to analyze the transmission waveform of the analyzing circuit using a waveform analyzing tool;

a waveform judging part configured to obtain a waveform judgement result by judging acceptability of the transmission waveform, based on judging values;

an error cause analyzing part configured to analyze an error cause by referring to an error cause file which indicates the error causes depending on error items, using the waveform judgement result; and

an improvement proposal selecting and outputting part configured to select and output an improvement proposal by referring to the improvement proposal file, using the error cause analyzed by said error cause analyzing part.

10. (PREVIOUSLY PRESENTED) The noise countermeasure determination apparatus as claimed in claim 6, further comprising:

a topology judging part configured to judge the transmission circuit topology of the analyzing circuit, by referring to a circuit feature file which stores feature information used for judging the transmission circuit topology.

11. (CURRENTLY AMENDED) A computer-readable storage medium which stores a program for causing a computer to determine a noise countermeasure with respect to an analyzing circuit that is to be analyzed ~~and is categorizable into a plurality of transmission circuit topologies depending on manners in which wirings are connected, wherein a transmission waveform of the analyzing circuit differs depending on each of the transmission circuit topologies~~, said program comprising:

a circuit acceptability judging and output procedure which causes the computer to obtain an analyzing circuit judgement result by judging acceptability of the analyzing circuit based on a comparison of features of the analyzing circuit and a plurality of transmission circuit topologies into which the analyzing circuit is categorizable depending on manners in which wirings are connected, wherein a transmission waveform of the analyzing circuit differs depending on each of the transmission circuit topologies, and to output an improvement proposal for making the analyzing circuit closer to one of basic types of the transmission circuit topologies depending on the analyzing circuit judgement result.

12. (ORIGINAL) The computer-readable storage medium as claimed in claim 11, wherein said program further comprises:

a calculating procedure which causes the computer to calculate transmission characteristic values of the analyzing circuit based on calculation formulas depending on the

judgement result of said circuit acceptability judging and output means and the transmission circuit topologies;

a characteristic value judging procedure which causes the computer to obtain a characteristic value judgement result by judging acceptability of the transmission characteristic values, based on judging values;

a first error cause analyzing procedure which causes the computer to analyze an error cause by referring to an error cause file which indicates the error causes depending on error items, using the characteristic value judgement result; and

a first improvement proposal selecting and outputting procedure which causes the computer to select and output an improvement proposal by referring to an improvement proposal file which indicates improvement proposals depending on the error causes, using the error cause analyzed by said first error cause analyzing means.

13. (PREVIOUSLY PRESENTED) The computer-readable storage medium as claimed in claim 12, wherein said program further comprises:

a waveform analyzing procedure which causes the computer to analyze the transmission waveform of the analyzing circuit using a waveform analyzing tool;

a waveform judging procedure which causes the computer to obtain a waveform judgement result by judging acceptability of the transmission waveform, based on the judging values;

a second error cause analyzing procedure which causes the computer to analyze the error cause by referring to the error cause file, using the waveform judgement result; and

a second improvement proposal selecting and outputting procedure which causes the computer to select and output an improvement proposal by referring to an improvement proposal file which indicates improvement proposals depending on the error causes, using the error cause analyzed by said second error cause analyzing means.

14. (PREVIOUSLY PRESENTED) The computer-readable storage medium as claimed in claim 11, wherein said program further comprises:

a waveform analyzing procedure which causes the computer to analyze the transmission waveform of the analyzing circuit using a waveform analyzing tool;

a waveform judging procedure which causes the computer to obtaining a waveform judgement result by judging acceptability of the transmission waveform, based on judging values;

an error cause analyzing procedure which causes the computer to analyze an error cause by referring to an error cause file which indicates the error causes depending on error

items, using the waveform judgement result; and

an improvement proposal selecting and outputting procedure which causes the computer to select and output an improvement proposal by referring to the improvement proposal file, using the error cause analyzed by said error cause analyzing means.

15. (ORIGINAL) The computer-readable storage medium as claimed in claim 11, wherein said program further comprises:

a topology judging procedure which causes the computer to judge the transmission circuit topology of the analyzing circuit, by referring to a circuit feature file which stores feature information used for judging the transmission circuit topology.

16. (CURRENTLY AMENDED) A method for determining a noise countermeasure, the method comprising:

categorizing an analyzing circuit into a plurality of transmission circuit wiring topologies depending on manners in which wirings are connected, wherein a transmission waveform of the analyzing circuit differs depending on each of the topologies;

comparing features of the analyzing circuit and the topologies; and

outputting a noise countermeasure improvement proposal for making the analyzing circuit closer to one of basic types of the topologies based on the comparison.

17. (NEW) A circuit topology for a noise countermeasure proposal, comprising:
a circuit topology selectable from a plurality of transmission circuit topologies,
wherein a transmission waveform of an analyzing circuit differs depending on each of the plurality of transmission circuit topologies, and a selected circuit topology results in a lower noise than other of the plurality of transmission circuit topologies. . .

18. The circuit topology according to claim 17, wherein the circuit topology is only for a printed circuit board.